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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/910,697	07/20/2001	Mark B. Lyles	068986.0109	2539	
75	90 04/30/2004	EXAM		INER	
Baker Botts L.L.P. One Shell Plaza 901 Louisiana			OWENS JR,	OWENS JR, HOWARD V	
			ART UNIT	PAPER NUMBER	
Houston, TX 77002-4995			1623		
			DATE MAILED: 04/30/200		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/910,697	LYLES, MARK B.				
Office Action Summary	Examiner	Art Unit				
	Howard V Owens	1623				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 01 December 2003.						
2a) This action is FINAL . 2b) ⊠ This	<u> </u>					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 1-19 and 26-28 is/are pending in the a 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 19 and 26-28 is/are allowed. 6) Claim(s) 1-18 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acceeded to the second content of the second	vn from consideration. r election requirement. r. epted or b)□ objected to by the I					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:					

Application/Control Number: 09/910,697

Art Unit: 1623

Response to Arguments

The following is in response to the amendment filed 12/01/2003:

An action on the merits of claims 1-19 and 26-28 is contained herein below.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

The rejection of claims 1-18 under 35 U.S.C. § 102(b) as being anticipated by Padhye et al., U.S. Patent No. 5,808,041, is withdrawn.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1- 18 are rejected under 35 U.S.C. § 102(b) as being anticipated by Maskos et al., Nucleic Acids Research, Vol. 20(7), pp. 1679-84.

Claims 1-3 and 5 are drawn to a material consisting essentially of silica and nucleic acids covalently bonded to the silica.

Claims 9 and 18 are drawn to the silica being pure silicon dioxide (silica).

Claims 10-14 are drawn to DNA as the nucleic acid and forms of the material, particularly a bead, array of fibers or a flat surface.

Claims 6-8 and 15-17 are drawn to the material with varying percentages of silicon dioxide, particularly 80%, 90% or 95%.

Application/Control Number: 09/910,697

Art Unit: 1623

Maskos anticipates the claims as it teaches covalently bonding DNA to a solid support in the form of silica as controlled pore glass, wherein the glass material may be in the form of a bead (p.1679) or a slide (p. 1680).

Allowable Subject Matter

Claims 19 and 26-28 drawn to the use of the xanthine compound in the bonding material for the nucleic acids appears to be an unobvious improvement over the closest prior art of record, U.S. 5,808,041.

Howard V. Owens Patent Examiner Art Unit 1623

Samuel Barts

Primary Patent Examiner Technology Center 1600

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Howard Owens whose telephone number is (703) 306-4538 . The examiner can normally be reached on Mon.-Fri. from 8:30 a.m. to 5 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the Supervisory Patent Examiner signing this action, James O. Wilson can be reached on (703) 308-4624. The fax phone number for this Group is (703) 308-4556.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-1235.